

### **Abstract**

**[0021]** A method of manufacturing an imaging component is provided comprising placing a focusing device in between a laser generator and a scintillator element; generating a laser using the laser generator; focusing the laser using the focusing device such that a focal spot of the laser is coincident with a portion of the isotropic portion; using the laser to alter the optical properties at the focal spot such that anisotropy is generated in the isotropic portion; and moving the focal spot relative to the scintillator element such that a three-dimensional pattern with altered optical properties is generated. The three-dimensional pattern controls the spread of photons within the scintillator element.

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